

ABSTRACT OF THE DISCLOSURE

A multiple path information transfer system in a cellular radio network includes several receivers (BS-1, ..., BS-N) for receiving radio signals representing digital information from at least one signal source. From each received radio signal a corresponding digitized baseband signal that contains soft information is extracted. Compressing units (10) compress the soft information to produce compressed baseband signals. These compressed signals are forwarded to a combining unit over a transport network. A de-compressor (16) de-compresses the forwarded signals to at least approximately restore the baseband signals. The de-compressed signals are combined (18-22) and the combined signal is decoded to at least approximately restore the digital information.